



Erosion and Sediment Control

Soil erosion is a common problem for construction activities, developers and the mining industry, as it has the potential to reduce or remove vegetative cover, divert or concentrate water flows and expose unstable soils. Significant problems can develop rapidly or as a result of gradual changes through time. Unacceptable levels of erosion may:

- Threaten the viability of crucial infrastructure;
- Create unacceptable risks to people using the site; or
- Cause off-site impacts, principally through the movement of suspended sediment to watercourses.

Regulators are also becoming more rigorous in the enforcement of water pollution laws and the use of legislative provisions to drive improvement of the management of erosion and sediment control.

Revegetation is an important component of effective erosion and sediment control and for offsetting the impacts of development and land clearing. When poorly planned or executed, revegetation works often result in substantial rework, long term maintenance liability, increased costs and poor community and regulator perception of environmental management. Successful control of erosion demands that the processes of erosion, and their causes, be fully understood.

Landloch's approach to site erosion control and remediation involves:

- Quantitative assessment of soil and site conditions by experienced scientists;
- Identification of the fundamental issues leading to site instability; and
- The determination of site specific, sustainable and cost effective solutions.

Choosing to invest in professional erosion and sediment control planning will provide effective, practical, site specific solutions. Landloch's team of industry recognised erosion and sediment control specialists has a history of working with clients to implement best practice through all phases of project delivery and across an extensive range of industries.

Our specialist services include:

- Erosion and Sediment Control Plans;
- CPESC;
- Erosion and sediment control design;
- Site inspection and audits;
- Identification, treatment and management of dispersive soils;
- Training;
- Flocculation; and
- Expert witness services.

Our CPESC qualified team can provide you with the full range of erosion control, sediment control and revegetation services from the concept phase to on-ground implementation and training.

The NSW Roads and Maritime Service have registered Landloch as a Soil Conservation Specialist Contractor and expert witness services have been provided to the Queensland Department of Environment and Heritage Protection and NSW Environmental Protection Authority.